

§ 14.5

30 CFR Ch. I (7–1–14 Edition)

§ 14.5 Test samples.

Upon request by MSHA, the applicant must submit 3 precut, unrolled, flat conveyor belt samples for flame testing. Each sample must be $60 \pm \frac{1}{4}$ inches long (152.4 ± 0.6 cm) by $9 \pm \frac{1}{8}$ inches (22.9 ± 0.3 cm) wide.

§ 14.6 Issuance of approval.

(a) MSHA will issue an approval or notice of the reasons for denying approval after completing the evaluation and testing provided in this part.

(b) An applicant must not advertise or otherwise represent a conveyor belt as approved until MSHA has issued an approval.

§ 14.7 Approval marking and distribution records.

(a) An approved conveyor belt must be marketed only under the name specified in the approval.

(b) Approved conveyor belt must be legibly and permanently marked with the assigned MSHA approval number for the service life of the product. The approval marking must be at least $\frac{1}{2}$ inch (1.27 cm) high, placed at intervals not to exceed 60 feet (18.3 m) and repeated at least once every foot (0.3 m) across the width of the belt.

(c) Where the construction of a conveyor belt does not permit marking as prescribed above, other permanent marking may be accepted by MSHA.

(d) Applicants granted approval must maintain records of the initial sale of each belt having an approval marking. The records must be retained for at least 5 years following the initial sale.

§ 14.8 Quality assurance.

Applicants granted an approval or an extension of approval under this Part must:

(a) In order to assure that the finished conveyor belt will meet the flame-resistance test—

(1) Flame test a sample of each batch, lot, or slab of conveyor belts; or

(2) Flame test or inspect a sample of each batch or lot of the materials that contribute to the flame-resistance characteristic.

(b) Calibrate instruments used for the inspection and testing in paragraph (a) of this section according to the instrument manufacturer's specifications.

Instruments must be calibrated using standards set by the National Institute of Standards and Technology, U.S. Department of Commerce or other nationally or internationally recognized standards. The instruments used must be accurate to at least one significant figure beyond the desired accuracy.

(c) Control production so that the conveyor belt is manufactured in accordance with the approval document. If a third party is assembling or manufacturing all or part of an approved belt, the approval holder shall assure that the product is manufactured as approved.

(d) Immediately notify the MSHA Approval and Certification Center of any information that a conveyor belt has been distributed that does not meet the specifications of the approval. This notification must include a description of the nature and extent of the problem, the locations where the conveyor belt has been distributed, and the approval holder's plans for corrective action.

§ 14.9 Disclosure of information.

(a) All proprietary information concerning product specifications and performance submitted to MSHA by the applicant will be protected.

(b) MSHA will notify the applicant or approval holder of requests for disclosure of information concerning its conveyor belts, and provide an opportunity to present its position prior to any decision on disclosure.

§ 14.10 Post-approval product audit.

(a) Approved conveyor belts will be subject to periodic audits by MSHA to determine conformity with the technical requirements upon which the approval was based. MSHA will select an approved conveyor belt to be audited; the selected belt will be representative of that distributed for use in mines. Upon request to MSHA, the approval holder may obtain any final report resulting from the audit.

(b) No more than once a year, except for cause, the approval holder, at MSHA's request, must make 3 samples of an approved conveyor belt of the size specified in § 14.5 available at no cost to MSHA for an audit. If a product is not

available because it is not currently in production, the manufacturer will notify MSHA when it is available. Representatives of the applicant and other persons agreed upon by MSHA and the applicant may be present during audit tests and evaluations. MSHA will also consider requests by others to observe tests.

(c) A conveyor belt will be subject to audit for cause at any time MSHA believes the approval holder product is not in compliance with the technical requirements of the approval.

§ 14.11 Revocation.

(a) MSHA may revoke for cause an approval issued under this Part if the conveyor belt—

(1) Fails to meet the technical requirements; or

(2) Creates a danger or hazard when used in a mine.

(b) Prior to revoking an approval, the approval holder will be informed in writing of MSHA's intention to revoke. The notice will—

(1) Explain the reasons for the proposed revocation; and

(2) Provide the approval holder an opportunity to demonstrate or achieve compliance with the product approval requirements.

(c) Upon request to MSHA, the approval holder will be given the opportunity for a hearing.

(d) If a conveyor belt poses an imminent danger to the safety or health of miners, an approval may be immediately suspended without written notice of the Agency's intention to revoke.

Subpart B—Technical Requirements

§ 14.20 Flame resistance.

Conveyor belts for use in underground coal mines must be flame-resistant and:

(a) Tested in accordance with § 14.22 of this part; or

(b) Tested in accordance with an alternate test determined by MSHA to be equivalent under 30 CFR §§ 6.20 and 14.4(e).

§ 14.21 Laboratory-scale flame test apparatus.

The principal parts of the apparatus used to test for flame resistance of conveyor belts are as follows—

(a) A horizontal test chamber 66 inches (167.6 cm) long by 18 inches (45.7 cm) square (inside dimensions) constructed from 1 inch (2.5 cm) thick Marinite I®, or equivalent insulating material.

(b) A 16-gauge (0.16 cm) stainless steel duct section which tapers over a length of at least 24 inches (61 cm) from a 20 inch (51 cm) square cross-sectional area at the test chamber connection to a 12 inch (30.5 cm) diameter exhaust duct, or equivalent. The interior surface of the tapered duct section must be lined with ½ inch (1.27 cm) thick ceramic blanket insulation, or equivalent insulating material. The tapered duct must be tightly connected to the test chamber.

(c) A U-shaped gas-fueled impinged jet burner ignition source, measuring 12 inches (30.5 cm) long and 4 inches (10.2 cm) wide, with two parallel rows of 6 jets each. Each jet is spaced alternately along the U-shaped burner tube. The 2 rows of jets are slanted so that they point toward each other and the flame from each jet impinges upon each other in pairs. The burner fuel must be at least 98 percent methane (technical grade) or natural gas containing at least 96 percent combustible gases, which includes not less than 93 percent methane.

(d) A removable steel rack, consisting of 2 parallel rails and supports that form a 7 ± ¼ inches (17.8 ± 0.3 cm) wide by 60 ± ¼ inches (152.4 ± 0.3 cm) long assembly to hold a belt sample.

(1) The 2 parallel rails, with a 5 ± ¼ inches (12.7 ± 0.3 cm) space between them, comprise the top of the rack. The rails and supports must be constructed of slotted angle iron with holes along the top surface.

(2) The top surface of the rack must be 8 ± ¼ inches (20.3 ± 0.3 cm) from the inside roof of the test chamber.

§ 14.22 Test for flame resistance of conveyor belts.

(a) *Test procedures.* The test must be conducted in the following sequence